

Converting Colors

$Yxy(66.0072, 0.3398, 0.5920)$

Have a look what the booklet for
Yxy(66.0072, 0.3398, 0.5920)
contains.

Yxy(66.0332, 0.3332, 0.5736)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.0332, 0.3332, 0.5736)

Conversions

Conversions Part 1

Format	Color
Hex	74F000
RGB	116, 240, 0
RGB Percent	45%, 94%, 0%
CMY	0.5453, 0.0588, 0.9991
CMYK	0.52, 0.00, 1.00, 0.06
HSL	91°, 100%, 47%
HSV	91°, 100%, 94%
XYZ	38.3582, 66.0332, 10.7292
YIQ	175.5640, 3.1360, -100.9280

Conversions

Conversions Part 2

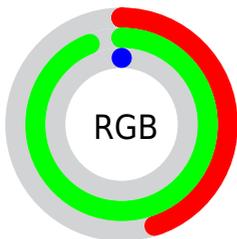
Format	Color
RYB	0, 240, 124
Decimal	7663616
CIELab	85.01, -65.91, 81.78
CIELCh	85, 105.034, 128.864
Yxy	66.0332, 0.3332, 0.5736
Android (android.graphics.Color)	4285853696 (0xFF74F000)
YUV	175.5640, -86.5531, -52.2376
Hunter-Lab	81.2608, -57.9476, 49.0542

Details

The Yxy color **66.0332, 0.3332, 0.5736** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark saturated chartreuse. A complement of this color would be **10.6026, 0.2043, 0.0899**, and the grayscale version is **43.6427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8419, 0.3500, 0.5098**, and **34.3592, 0.3088, 0.5930** is the 20% darker color. If you saturate the color by 10%, you get **66.0279, 0.3331, 0.5737**, and if you desaturate by 10%, it is **67.0106, 0.3386, 0.5632**.

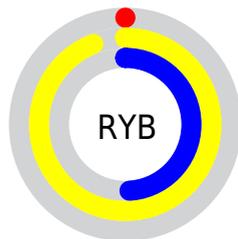
Distribution



Red (45%)

Green (94%)

Blue (0%)



Red (0%)

Yellow (94%)

Blue (49%)

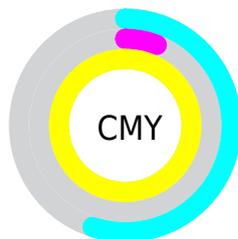


Cyan (52%)

Magenta (0%)

Yellow (100%)

Black (6%)



Cyan (55%)

Magenta (6%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.0332, 0.3332, 0.5736 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 66.0332, 0.3332, 0.5736 by changing the saturation by 10% instead.

 66.0332, 0.3332,
0.5736

 66.0332, 0.3332,
0.5736

 446.4956, 0.3360,
0.4540

 48.2994, 0.3284,
0.5999

 113.5340, 0.3374,
0.5323

 34.0640, 0.3202,
0.6309

 144.0697, 0.3380,
0.5161

 22.9428, 0.3063,
0.6671

 179.6415, 0.3382,
0.5021

 14.5513, 0.2857,
0.7143

 220.6338, 0.3380,
0.4899

 8.5051, 0.2461,
0.7539

 267.4310, 0.3376,
0.4792

 4.4198, 0.1900,
0.8100

 320.4174, 0.3372,

 1.9110, 0.0000,

0.4698

1.0000

379.9775, 0.3366,
0.4615

■ 0.5550, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.0332, 0.3332,
0.5736

■ 66.0332, 0.3332,
0.5736

■ 66.0279, 0.3331,
0.5737

■ 67.0106, 0.3386,
0.5632

■ 68.1850, 0.3424,
0.5474

■ 69.5887, 0.3440,
0.5260

■ 71.2405, 0.3435,
0.5001

■ 73.1567, 0.3409,
0.4712

■ 75.3521, 0.3368,
0.4409

■ 77.8399, 0.3315,
0.4107

■ 80.6326, 0.3255,
0.3815

■ 83.7415, 0.3191,
0.3540

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.0332, 0.4418, 0.5208



66.0332, 0.3332, 0.5736



66.0332, 0.2252, 0.5091

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.0332, 0.3332, 0.5736



66.0332, 0.1231, 0.1702



66.0332, 0.4989, 0.2764

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



66.0332, 0.3332, 0.5736



10.6026, 0.2043, 0.0899

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.0332, 0.3708, 0.2122



66.0332, 0.3332, 0.5736



66.0332, 0.1635, 0.1542

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.0332, 0.3332, 0.5736



66.0332, 0.1168, 0.2293



66.0332, 0.2456, 0.1693



66.0332, 0.5581, 0.3503

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.0332, 0.3332, 0.5736



66.0332, 0.1684, 0.4056



66.0332, 0.2456, 0.1693



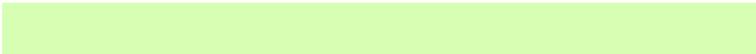
66.0332, 0.4606, 0.2534

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



66.0360, 0.3332, 0.5736



89.2653, 0.3317, 0.4112



32.9705, 0.5380, 0.4110



18.8396, 0.3340, 0.4239



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.0360, 0.3332, 0.5736



75.7361, 0.3329, 0.5739



62.3368, 0.2998, 0.5992



18.0307, 0.3189, 0.3529



36.2196, 0.3343, 0.5728



3.0721, 0.3443, 0.5648

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



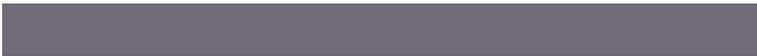
10.6026, 0.2043, 0.0899



12.1199, 0.2039, 0.0897



24.5887, 0.3252, 0.1565



15.6309, 0.3061, 0.3052



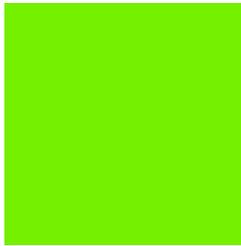
5.8763, 0.2058, 0.0907



0.5481, 0.2198, 0.0984

Previews

White Background



This preview shows how the Yxy color 66.0332, 0.3332, 0.5736 looks on a white background.

Color Contrast Check

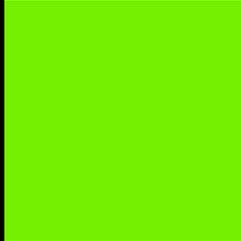
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 66.0332, 0.3332, 0.5736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

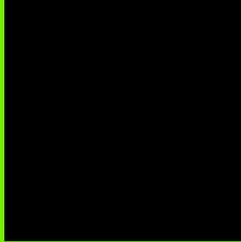
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.0332, 0.3332, 0.5736

Background



This preview shows how black text looks on a background with the Yxy color 66.0332, 0.3332, 0.5736.



This preview shows how white text looks on a background with the Yxy color 66.0332, 0.3332, 0.5736.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

66.0332, 0.3332, 0.5736

Protanopia

64.7657, 0.4411, 0.4879

Deuteranopia

64.6268, 0.4243, 0.4208



Tritanopia

65.5158, 0.2564, 0.3074

Trichromacy



Original Color

66.0332, 0.3332, 0.5736



Protanomaly

63.7119, 0.3970, 0.5230



Deuteranomaly

62.3913, 0.3946, 0.4870



Tritanomaly

63.6569, 0.2982, 0.4306

Monochromacy



Original Color

66.0332, 0.3332, 0.5736



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

48.8867, 0.3383, 0.4510

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.0332, 0.3332, 0.5736 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(116, 240, 0)` looks like.

```
.text, #text, p{  
    color:rgb(116, 240, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(116, 240, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 240, 0) }
```

Border

The CSS property to change the border of an element to Yxy 66.0332, 0.3332, 0.5736 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 240, 0) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(116, 240, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(116, 240, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 240, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 240, 0);  
box-shadow:4px 4px 4px 4px rgb(116, 240,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 66.0332, 0.3332, 0.5736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 240, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(116,  
240, 0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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